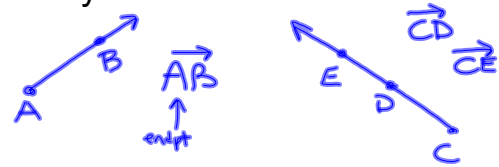


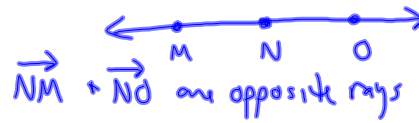
1-4 Angle Measure

Sep 18-11:10 AM

Ray-one endpoint; extends infinitely in one direction

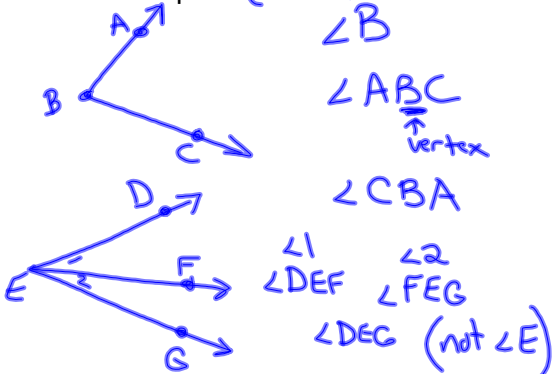


Opposite rays-



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Angle-figure formed by 2 rays with a common endpoint (vertex)



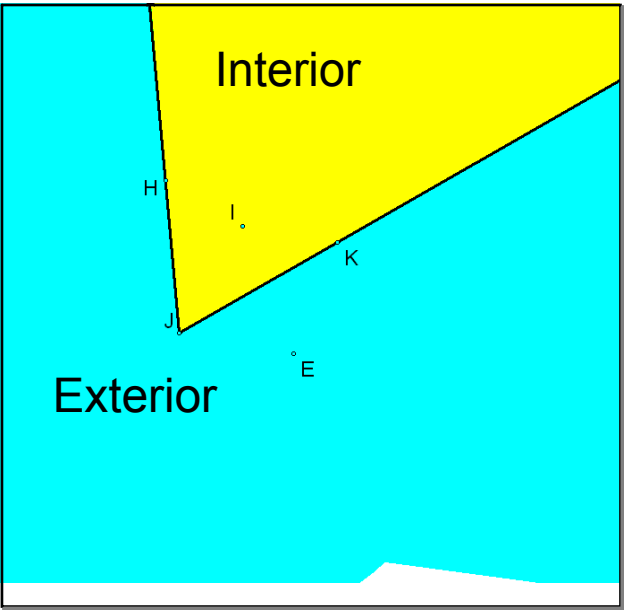
Sep 18-11:14 AM

Rays are the sides of an angle



Common endpoint is the vertex

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Sep 21-8:15 AM

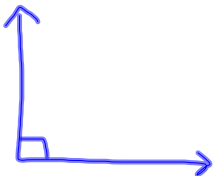
Classifying Angles

Acute angle-measures between 0° and 90°



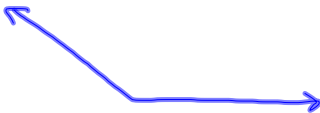
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Right angle-measures 90°



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Obtuse angle-measures between 90° and 180°

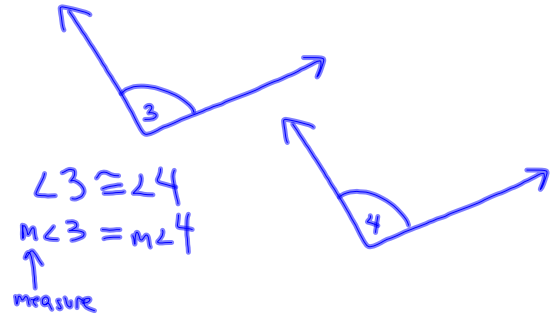


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Straight angle-measures 180°



Congruent angles-angles that have the same measurement



Sep 18-11:14 AM

Sep 18-11:15 AM

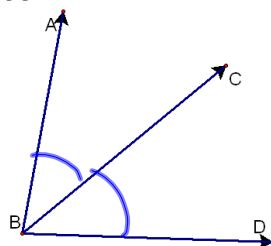
Angle Bisector-ray that divides an angle into 2 congruent angles

\overrightarrow{BC} bisects $\angle ABD$

$\angle ABC \cong \angle CBD$

$m\angle ABC = m\angle CBD$

$m\angle ABC = \frac{1}{2} m\angle ABD$



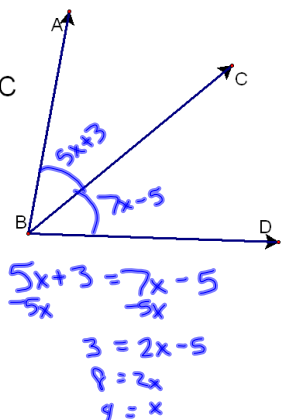
ex: Solve for x.
Find the $m\angle ABC$

\overrightarrow{BC} bisects $\angle ABD$

$m\angle ABC = 5x + 3$

$m\angle CBD = 7x - 5$

$x = 4$
 $m\angle ABC = 23^\circ$

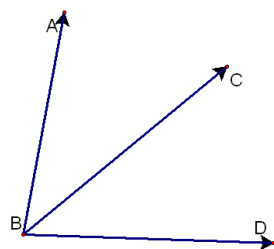


Jun 20-8:49 AM

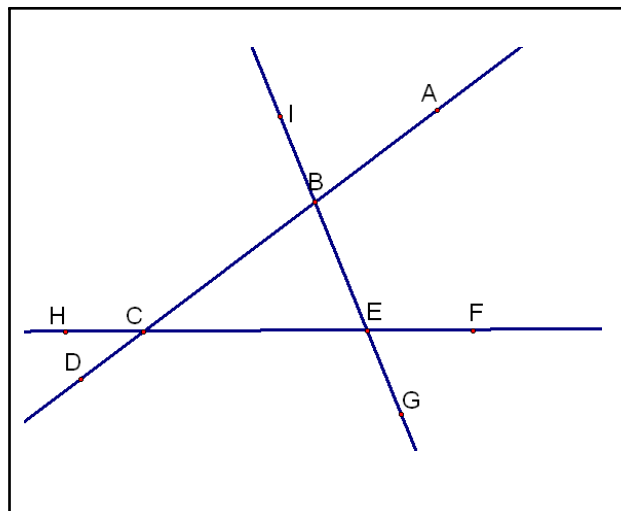
Jun 20-8:50 AM

ex: Solve for x.

→
BC bisects $\angle ABD$
 $m\angle ABC = 10x + 12$
 $m\angle ABD = 64$



Jun 20-8:50 AM



Sep 18-11:15 AM

HW p34 #s 12-37

Sep 18-11:15 AM